| Inde | ex of | Claims | • |
|------|-------|--------|---|
|      |       |        |   |

| Application No.      | Applicant(s) |
|----------------------|--------------|
| 09/662,808           | ROH, JIN-TAE |
| Examiner             | Art Unit     |
| Aristotelis M Psitos | 2653         |

| √ | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

| ı | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |          |  |  |          |  |  | J        |  | Ч  |          |    |             |          |              |          |          |  | •            | —        |  |  |              |    |          | ,                        |
|----------|----------|--|--|----------|--|--|----------|--|--|----------|----|-------------|----------|--------------|----------|----------|--|--------------|----------|--|--|--------------|----|----------|--------------------------|
| CI       | aim      |  |  |          |  | Dat  | е        |  |  |          | ]  | Cla         | aim      |              |          |          | [  | Date         | е .      |  |  |              | ]  | C        | aim                      |
| Final    | Original | 3/8/05   |  |          |  |  |          |  |  |          |    | Final       | Original |              |          |          |  |              |          |  |  |              |    | Final    | Original                 |
| -        | 1        |  | -  |          | T  | <del>                                     </del> |          | t  |  |          | 1  |             | 51       | $\vdash$     |          | _        | Н  |              | _        | _  | Т  | _            | ĺ  |          | 101                      |
|          | 2        |  |  | 1        | İ  | <u> </u>   |          | İ  | <del>                                     </del> |          | 1  |             | 52       |              |          |          |  |              |          |  |  |              | İ  |          | 102                      |
|          | 3        |  |  | T        |  |  | П        | $\vdash$   |  | T        | 1  |             | 53       |              |          |          | Г  | П            |          |  |  |              | 1  |          | 103                      |
|          | 4        |  |  |          |  |  |          |  |  |          | 1  |             | 54       |              |          |          |  |              |          | Ī  |  |              | ]  |          | 104                      |
|          | 5        |  |  |          |  |  |          |  |  |          | ]  |             | 55       |              |          |          |  |              |          |  |  |              | ]  |          | 105                      |
|          | 6        | L.,  |  |          |  |  |          |  |  |          | ]  |             | 56       |              |          |          |  |              |          |  |  |              |    |          | 106                      |
|          | 7        |  |  |          |  |  |          |  |  | ┖        | ļ  |             | 57       |              |          |          |  | L            | _        |  | <u></u>  | _            |    | L        | 107                      |
|          | 8        | L.   | <u> </u>   | <u> </u> |  |  |          | _  | _  | <u> </u> |    |             | 58       |              |          |          | _  |              | <u> </u> | <u> </u>   | <u> </u>   | ┞            |    | <u> </u> | 107<br>108<br>109        |
| <u> </u> | 9        | L  | ļ  | <u> </u> | ļ  |  |          | <u> </u>   |  | ļ        |    |             | 59       |              | _        |          | _  | _            | <u> </u> | _  | <u> </u>   | <u> </u>     |    | <u> </u> | 109                      |
| ļ        | 10       | ├-   | <u> </u>   | <u> </u> | -  | _  |          | <u> </u>   |  | ⊢        | 1  | <u> </u>    | 60       | ļ            |          | <u> </u> | _  | <u> </u>     | $\vdash$ | L  | ┝  | <b>—</b>     | -  | -        | 110                      |
| -        | 11       |  | ⊢  | -        | <u> </u>   |  |          | ├_   | <u> </u>   |          | -  | -           | 61       |              |          |          | <u> </u>   |              | <u> </u> | ⊢  | <u> </u>   |              | 1  |          | 111                      |
| <u> </u> | 12       |  | -  | -        | <u> </u>   | -  |          | <u> </u>   |  | <u> </u> | 1  |             | 62       |              |          | -        | -  | <u> </u>     | ⊢        | ⊢  | ├—   | ├-           | 1  |          | 112<br>113               |
|          | 13       | <u> </u>   | ┡  | <u> </u> | -  | -  | -        | <del>                                     </del> | -  | ┝        | ┨  | <u> </u>    | 63<br>64 | _            | $\vdash$ |          | -  | <del> </del> | $\vdash$ | H  | ⊢  | 1            | 1  |          | 113                      |
|          | 14       | =  | ⊢  | -        | ├  | -  |          | ├  |  | ⊢        | 1  |             | 65       | <del> </del> | _        | -        | -  | <del> </del> | ⊢        | $\vdash$   | ┢  |              | 1  | -        | 114<br>115               |
| -        | 16       | -  | ├  | ┼        | <del>                                     </del> | -  |          | ├  | ├  | ├        | 1  |             | 66       | $\vdash$     |          |          | -  | ├            | ⊢        | -  |  | -            | ł  |          | 116                      |
| -        | 17       | =  | $\vdash$   | $\vdash$ | $\vdash$   |  |          | ╁  | ┢  | ⊢        | 1  | -           | 67       |              |          |          |  | $\vdash$     | $\vdash$ | ├  | ╁  | -            | ┨  | <b></b>  | 116<br>117               |
|          | 18       | 一  | ├─   | +-       | <del>                                     </del> | <del> </del>                                     |          | ┼─   |  | ├        | ┨  |             | 68       | Н            |          | -        | -  | ┝            | ┢        | ┝  | $\vdash$   |              | 1  |          | 118                      |
|          | 19       | =  | -  |          | ╁  | 1  |          | ┢╌   |  | ┢        | 1  |             | 69       |              |          |          | -  | $\vdash$     | -        | -  | <del> </del>                                     |              | 1  |          | 119                      |
|          | 20       | =  | ┢  | 1        | <u> </u>   |  |          |  | -  | ╁╌       | ł  |             | 70       |              | _        |          | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   |              | 1  |          | 119<br>120               |
| -        | 21       | =  | ╁─   | $\vdash$ | -  |  |          | ╁╌   |  | ╁╌       | 1  |             | 71       |              |          | $\vdash$ | _  | $\vdash$     | $\vdash$ | $\vdash$   | <del>                                     </del> |              | 1  |          | 121                      |
| .        | 22       | =  | <del>                                     </del> | <u> </u> | <u> </u>   |  |          |  |  | t        | 1  |             | 72       |              |          |          |  |              | $\vdash$ | $\vdash$   | <b>†</b>   |              | 1  |          | 122                      |
|          | 23       | =  |  | 1        |  |  |          |  |  | $\vdash$ | 1  |             | 73       |              |          |          | $\vdash$   | $\vdash$     | _        | $\vdash$   | T  |              | 1  |          | 121<br>122<br>123        |
|          | 24       | Т  | Г  |          |  |  |          |  |  | П        | 1  |             | 74       |              |          |          |  |              |          |  |  |              | 1  |          | 124                      |
|          | 25       |  |  |          | Г  |  | 1        | Г  |  |          | 1  |             | 75       |              |          |          |  |              |          |  |  |              |    |          | 124<br>125<br>126<br>127 |
|          | 26       |  |  |          |  | Ī  |          |  |  | П        | 1  | Г           | 76       |              |          |          |  |              |          |  | 1  |              | 1  |          | 126                      |
|          | 27       | Π  |  | Π        | Г  |  |          |  | Г  |          | 1  |             | 77       |              |          |          |  |              | Г        |  | П  |              | 1. |          | 127                      |
|          | 28       |  |  |          |  |  |          |  |  |          | ]  |             | 78       |              |          |          |  |              |          |  |  |              |    |          | 128<br>129               |
|          | 29       |  |  |          |  |  |          |  |  |          | ]. |             | 79       |              |          |          |  |              |          |  |  |              | ]  |          | 129                      |
|          | 30       |  |  |          |  |  |          |  |  |          | ]  |             | 80       |              | •        |          |  |              |          |  |  |              | ]  |          | 130<br>131               |
|          | 31       |  |  |          |  |  |          |  |  |          | ]  | L           | 81       |              |          |          |  |              |          |  |  |              |    |          | 131                      |
|          | 32       |  |  |          |  |  | <u> </u> |  |  |          |    |             | 82       | L            |          |          |  | <u> </u>     |          |  | <u> </u>   |              | ١. |          | 132<br>133               |
|          | 33       |  |  |          |  | $oxed{oxed}$                                     |          |  |  |          | ]  | L           | 83       |              |          |          | L.   | L            |          |  | <u> </u>   |              |    | L        | 133                      |
|          | 34       | <u>_</u>   |  | <u> </u> |  | L  | _        | _  | _  | L        |    |             | 84       |              |          |          | _  | _            | _        | <u> </u>   | <u> </u>   | <u> </u>     | 1  |          | 134                      |
|          | 35       | <u> </u>   | _  | <u> </u> | <u> </u>   | _  | <u> </u> |  | <u> </u>   | _        | 1  | <u> </u>    | 85       |              |          |          |  |              | _        | <u> </u>   | <u> </u>   | L_           | 1  | <u> </u> | 135<br>136<br>137        |
| <u> </u> | 36       | <u> </u>   | _  | <u> </u> | _  | _  | <u> </u> | L.   | <u> </u>   |          | 1  | <u> </u>    | 86       |              |          |          |  |              | _        | <u> </u>   | ļ  | _            | 1  |          | 136                      |
|          | 37       | _  | _  | _        | <u> </u>   | <u> </u>   | _        |  | _  |          | Į  |             | 87       | _            | _        |          | _  | <u> </u>     | <u> </u> | L  | <u> </u>   | ╙            | 1  | L        | 137                      |
|          | 38       | _  | _  | 1_       | <u> </u>   | ╄-   | <u> </u> | _  |  | ļ.,      | Į  | <u> </u>    | 88       |              |          | <u> </u> | <u> </u>   | <u> </u>     | ļ        | <u> </u>   | <u> </u>   |              | -  |          | 138                      |
|          | 39       | _  | ⊢  |          | <u> </u>   | ⊢  | ┡        | <u> </u>   | <u> </u>   | ├-       | ł  |             | 89       |              |          |          | _  | _            |          | <u> </u>   | <u> </u>   | _            | 1  | -        | 139                      |
|          | 40       | -  |  | ļ        | ├  | -  | -        | -  | -  | ⊢        | {  |             | 90       | $\vdash$     |          |          | _  | <u> </u>     | ⊢        | H  | <u> </u>   | _            | 1  |          | 140                      |
| <u> </u> | 41       | -  | _  | ┢        | ├  | -  | -        | -  | -  | ├        | -  |             | 91<br>92 | $\vdash$     | _        |          |  | ┝            | ⊢        | H  | ├  |              |    | -        | 141<br>142               |
| -        | 42       | -  | $\vdash$   | 1        | $\vdash$   | ┼  | ├-       |  | ├-   | $\vdash$ | 1  | -           | 93       | $\vdash$     |          | _        | -  | -            | -        | H  | $\vdash$   | -            | 1  | -        | 143                      |
| -        | 44       | ├  | -  | ┢        | $\vdash$   | ┢  | $\vdash$ | -  | ⊢  | -        | 1  | <del></del> | 93       | -            |          | <u> </u> | -  | -            | ⊢        | -  | $\vdash$   | <del> </del> | 1  | -        | 143                      |
| -        | 45       | <del> </del>                                     | -  | ╁        | $\vdash$   | $\vdash$   | $\vdash$ | <del> </del>                                     | $\vdash$   | -        | -  | $\vdash$    | 95       | $\vdash$     | H        |          | $\vdash$   | <u> </u>     | $\vdash$ | $\vdash$   | $\vdash$   | -            | 1  | $\vdash$ | 145                      |
|          | 46       | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | 1  | $\vdash$    | 96       | -            | $\vdash$ | -        | $\vdash$   | -            | ├-       | <del>  -  </del>                                 | ⊢  | $\vdash$     | 1  | <u> </u> | 146                      |
| -        | 47       | $\vdash$   | $\vdash$   | $\vdash$ | ├  | <del> </del>                                     | ├        |  | <del>                                     </del> | ├-       | 1  |             | 97       | $\vdash$     | H        | <u> </u> | ╁─╴  | -            | $\vdash$ | -  | $\vdash$   | $\vdash$     | ł  | _        | 147                      |
|          | 48       | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   |          | 1  |             | 98       |              | H        | H        | <del>                                     </del> | -            | $\vdash$ | $\vdash$   | 1  | $\vdash$     | 1  | -        | 148                      |
|          | 49       | $\vdash$   | ┢  | ╁╴       | ╁  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | 1        | 1  | <u> </u>    | 99       | $\vdash$     | $\vdash$ | -        | $\vdash$   | $\vdash$     | -        | <del>                                     </del> | $\vdash$   | $\vdash$     | 1  |          | 149                      |
|          | 50       |  | $\vdash$   | <u> </u> | T  | T  | $\vdash$ | t  | T  |          | 1  |             | 100      |              | Н        |          | $\vdash$   | $\vdash$     |          | $\vdash$   |  | Т            | 1  |          | 150                      |
|          |          |  |  |          |  |  |          |  |  |          |    |             |          |              |          |          |  |              |          |  |  |              |    |          |                          |

| Cli      | aim_   | Date     |          |  |          |  |              |  |          |          |  |
|----------|--|----------|----------|--|----------|--|--------------|--|----------|----------|--|
| Final    | Original   |          |          |  |          |  |              |  |          |          |  |
|          | 101<br>102   |          |          |  |          |  |              |  |          |          |  |
|          | 102  |          |          | L  |          |  | <u> </u>     | <u> </u>   |          |          |  |
|          | 103  | _        | _        | <u> </u>   |          | _  |              | _  | _        | _        |  |
|          | 103<br>104<br>105                                    |          |          | ┝  | _        | _  | -            |  |          |          |  |
|          | 106  |          | _        | -  |          | _  |              |  |          |          |  |
|          | 106<br>107   |          |          |  |          |  |              |  |          |          |  |
|          | 108  |          |          |  |          |  |              |  |          |          |  |
|          | 109<br>110   |          |          |  |          |  |              |  |          |          |  |
|          | 110  |          | _        |  |          | <u> </u>   | _            | _  |          |          |  |
| <u> </u> | 111  |          | <u> </u> |  |          | _  | _            | $\vdash$   | _        |          |  |
| <u> </u> | 111<br>112<br>113                                    | _        | $\vdash$ | $\vdash$   |          | $\vdash$   |              | _  |          |          |  |
|          | 114  |          | $\vdash$ | -  | $\vdash$ | $\vdash$   | -            | $\vdash$   |          |          |  |
|          | 114<br>115   |          |          | -  | $\vdash$ | <del>                                     </del> |              | $\vdash$   |          |          |  |
|          | 116  |          |          | -  |          | <b></b> -  |              |  | <u> </u> | Т        |  |
|          | 117<br>118<br>119                                    |          |          |  |          |  |              |  |          |          |  |
|          | 118  |          |          |  |          |  |              |  |          |          |  |
| <u> </u> | 119  |          |          |  |          | L_   |              | L  |          |          |  |
|          | 120  |          |          | <u> </u>   | _        | ļ  | ļ            | <u> </u>   |          |          |  |
| <u> </u> | 121  |          | <u> </u> | <u> </u>   | <u> </u> | ├—   |              | _  |          |          |  |
| <u> </u> | 122  |          | <u> </u> | -  | ⊢        |  | _            | ├  |          |          |  |
| <u> </u> | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127 |          |          |  | $\vdash$ |  | ┢            | ├  | H        | -        |  |
| <u> </u> | 125  | $\vdash$ | -        |  |          |  | <u> </u>     | <del>                                     </del> |          |          |  |
|          | 126  |          |          |  |          |  |              |  |          |          |  |
|          | 127  |          |          |  |          |  |              |  |          |          |  |
|          | 128<br>129<br>130                                    |          | <u> </u> |  |          |  | _            | <u> </u>   |          |          |  |
| <u> </u> | 129  |          | <u> </u> | L  | _        | _  | ļ            | <u> </u>   |          |          |  |
|          | 130  |          | _        | _  | L        | <u> </u>   | <u> </u>     | $\vdash$   |          |          |  |
|          | 131<br>132   | -        |          |  | $\vdash$ | <u> </u>   | <u> </u>     | ⊢  |          | _        |  |
| <u> </u> | 133  | -        | -        | -  | $\vdash$ | $\vdash$   |              | $\vdash$   | _        |          |  |
| <u> </u> | 134  | Т        | $\vdash$ | <del>                                     </del> |          |  | $\vdash$     |  |          |          |  |
|          | 134<br>135   |          | Г        |  |          |  |              |  |          |          |  |
|          | 136<br>137   |          |          |  |          |  |              |  |          |          |  |
|          | 137  |          |          |  |          |  |              |  |          |          |  |
| <u> </u> | 138  | L_       | <u> </u> | ļ  | L.       | _  | <u> </u>     | <u> </u>   |          |          |  |
| <u> </u> | 139<br>140   |          | _        |  | L        | _  | _            | -  | _        | H        |  |
| <u> </u> | 140  |          | _        |  | -        | _  | <del> </del> | $\vdash$   |          | H        |  |
| <u> </u> | 141  | -        | $\vdash$ |  | $\vdash$ | -  | _            | -  |          |          |  |
| <u> </u> | 143  | -        | $\vdash$ |  | $\vdash$ | <del>  -</del>                                   | -            | H  |          |          |  |
|          | 144  |          | $\vdash$ | $\vdash$   | Т        | Г  |              |  | Г        | _        |  |
|          | 145  |          |          | L  |          |  |              |  |          |          |  |
|          | 146  |          |          |  |          |  |              |  |          |          |  |
|          | 147  |          |          |  | $\Box$   |  |              |  |          |          |  |
|          | 148  |          |          | L_   | ļ.       | L  | L_           | <u> </u>   | L        |          |  |
|          | 149  |          | _        | <u> </u>   | $\vdash$ | $\vdash$   | <u> </u>     | _  |          | <b>_</b> |  |
| L        | 150  |          | L        | L  |          |  | <u></u>      |  |          |          |  |